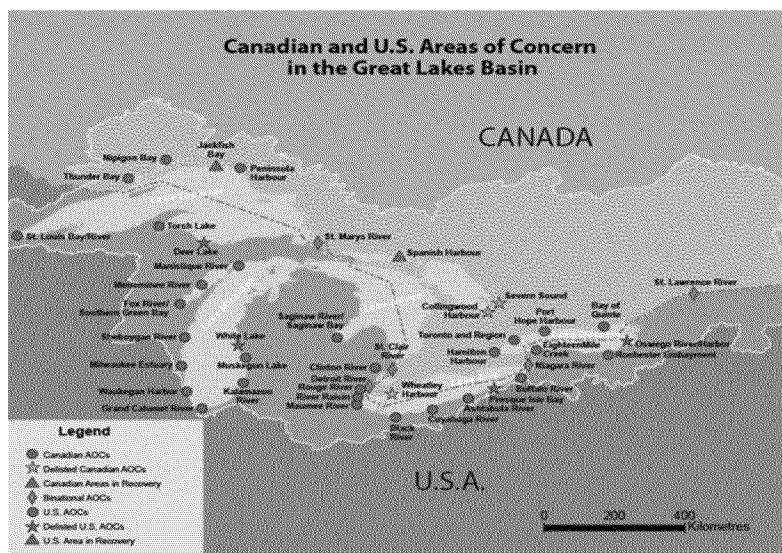


ANNEX 1: 2016 AREAS OF CONCERN

PROGRESS REPORT OF THE PARTIES

Overview

In the Areas of Concern Annex of the 2012 Great Lakes Water Quality Agreement (GLWQA), Canada and the United States reaffirmed their commitment to restore beneficial uses that have become impaired due to local conditions at Areas of Concern (AOCs), through the development and implementation of Remedial Action Plans (RAPs). The Parties designated 43 AOCs, which are geographic areas where significant impairment occurred as a result of human activities at the local level.



Progress Toward Meeting GLWQA Commitments

Presque Isle Bay – Delisted
Sheboygan River – Cleanup Complete

Deer Lake – Delisted
White Lake – Delisted
Ashtabula River – Cleanup Complete
Waukegan Harbor – Cleanup Complete

St. Clair River (US) – Cleanup Complete

2013

2014

2015

2016

Binational Actions Taken for Key Commitments

For both Parties, the AOC program is a mature one and efforts to restore these areas have been underway for over 25 years. Working with provincial, state and local governments and community members and stakeholders, the Parties have made progress in restoring beneficial uses through the implementation of RAPs. Momentum has been building, and both sides are removing beneficial use impairments at an increasing rate.

- In October 2015, a binational task team completed a guidance document that advises on the process, principles, challenges and roles and responsibilities for designating an AOC as an AOC in Recovery, including examples of situations when this new designation should and should not occur.

Develop AOC guidance documents to provide additional knowledge and tools to enhance and advance the restoration and delisting of AOCs

- In April 2015, a second binational task team completed a Situation Analysis on how the AOC program is currently being implemented in the two countries, including a review and comparison of agency roles and practices, stakeholder engagement, status and processes for addressing impairments, and recommendations for enhancing program delivery.

Develop practices or mechanisms (such as RAP reports, lessons learned, or beneficial use impairments information) for sharing information among AOC communities and the broader public

Domestic Actions Taken



Taking an ecosystem approach and partnering with other governments, organizations and individuals, both Parties investigated environmental problems and the causes within in each AOC during the early years of the AOC program. As the name implies, Remedial Action Plans that were developed identify the corrective measures and programs needed to restore the beneficial uses and enhance water quality and ecosystem health in AOCs. Monitoring is also carried out to track environmental recovery and to assess the current status of beneficial use impairments (BUIs). The following tables show the status of BUIs in AOC; the actions completed or initiated since 2013 for each AOC, and the remaining actions required for the removal of the designation of AOC.



AOC	State	Restriction on fish & wildlife consumption	Tainting of fish & wildlife flavor	Degraded fish & wildlife populations	Fish tumor or other deformities	Bird & animal deformities or reproduction problems	Degradation of benthos	Restrictions on dredging activities	Eutrophication or undesirable algae	Restrictions – drinking water consumption, taste/odor problems	Beach Closings	Degradation of aesthetics	Added costs to agriculture or industry	Degradation of phytoplankton and zooplankton	Loss of fish and wildlife habitat	Original Total	Total Removed	Remaining Total
Waukegan Harbor	IL							2014			2011				2013	6	3	3
Grand Calumet River	IN									2012			2011			14	2	12
Clinton River	MI															8	0	8
Deer Lake	MI	2014				2011			2011							3	3	0
Detroit River	MI		2013							2011						11	2	9
Kalamazoo River	MI										2011	2012				8	2	6
Manistique River	MI						2007				2010				2008	5	3	2
Muskegon Lake	MI	2013						2011		2013	2015					9	4	5
River Raisin	MI			2015					2013		2013	2012				9	5	4
Rouge River	MI															9	0	9
Saginaw River & Bay	MI		2008							2008						12	3	9
Torch Lake	MI				2007											3	1	2
White Lake	MI	2013		2014			2012	2011	2012	2014		2014			2014	8	8	0
St. Clair River	MI/ON		2010				2015	2011				2012	2012			10	5	5
St. Marys River	MI/ON					2014						2014				10	2	8
Menominee River	MI/WI										2011					6	1	5
Buffalo River	NY															9	0	9
Eighteenmile Creek	NY															5	0	5
Oswego River	NY	2006		2006					2006						2006	4	4	0
Rochester Embayment	NY				2015					2011			2011			14	3	11
Niagara River	NY/ON															7	0	7
St. Lawrence River	NY/ON													2015		7	1	6
Ashtabula River	OH	2014		2014												6	3	3
Black River	OH															9	0	9
Cuyahoga River	OH															9	0	9
Maumee River	OH												2015			10	1	9
Presque Isle	PA				2013			2007								2	2	0
Fox River/ S Green Bay	WI															13	0	13
Milwaukee Estuary	WI															11	0	11
Sheboygan River	WI							2015								9	1	8
St. Louis River & Bay	WI/MN											2014				9	1	8
Original Total		30	7	25	18	17	27	27	18	8	20	19	4	8	27	255		
Total Removed		5	3	4	3	2	3	6	3	6	6	6	4	1	7		60	
Remaining Total		25	4	21	15	15	24	21	14	2	14	13	0	7	20			195

 BUI Removed

 BUI Impaired

Canadian Areas of Concern – Status of Actions

AOC	Sediment Cleanup / Remediation	Habitat Restoration	Municipal / Industrial WW treatment	Non-point-source pollution mgmt.	Studies/ Investigations	BUI Evaluation/ Assessment	Monitoring	Year all remediation and restoration actions were or will be completed	AOC Weblink
Thunder Bay									
Nipigon Bay								2018	
Jackfish Bay									
Peninsula Harbour								2019	
St. Marys River									
Spanish Harbour									
St. Clair River									
Detroit River									
Niagara River								2019	
Hamilton Harbour									
Toronto Region									
Port Hope									
Bay of Quinte								2019	
St. Lawrence River (Cornwall)								2019	

These Canadian AOCs are delisted: Collingwood Harbour (1994), Severn Sound (2003), and Wheatley Harbour (2010)

All Actions Completed

Some Actions Completed;
Future Actions Required

Future Action Required

Action to be Determined

U. S. Areas of Concern – Status of Actions

Updated 2/19/16

AOC	State	Sediment Remediation	Habitat Restoration	Hydrologic Controls/Diversions Implemented	Safe Drinking Water Provided	Engineering Design	Studies/Investigations	Other Regulatory Action	BUI Evaluation/Assessment	Year all remediation actions and restoration actions were or will be completed	AOC Weblink
Waukegan Harbor	IL									2014	
Grand Calumet River	IN									2020+	
Clinton River	MI									2017	
Deer Lake	MI									Delisted 2014	http://www.epa.gov/deer-lake-aoc
Detroit River	MI										
Kalamazoo River	MI									2020+	
Manistique River	MI										
Muskegon Lake	MI										
River Raisin	MI									2016	
Rouge River	MI										
Saginaw River & Bay	MI										
Torch Lake	MI										
White Lake	MI									Delisted 2014	
St. Clair River	MI/ON									2015	
St. Marys River	MI/ON									2016	
Menominee River	MI/WI									2016	
Buffalo River	NY									2016	
Eighteenmile Creek	NY										
Oswego River	NY										
Rochester Embayment	NY										
Niagara River	NY/ON										
St. Lawrence River	NY/ON										
Ashtabula River	OH									2013	
Black River	OH									2016	http://www.epa.gov/black-river-aoc
Cuyahoga River	OH										
Maumee River	OH										
Presque Isle	PA									Delisted 2013	
Fox River/ S Green Bay	WI									2020+	
Milwaukee Estuary	WI									2020+	
Sheboygan River	WI									2013	
St. Louis River & Bay	WI/MN									2020+	

 All Actions Completed
 Some Actions Completed; Future Actions Required
 Future Action Required
 Action to be Determined